

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 03/09728

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02B6/44 G02B6/00 C08L23/02 C08L23/08 C08K3/00  
C08L23/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02B C08L C08K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 278 825 B1 (CONSONNI ENRICO ET AL) 21 August 2001 (2001-08-21) column 1, line 14,15; claims 1-11; figure 1; examples M4-M6; table 1 ---	20, 30, 31
X	US 5 707 732 A (SONODA MASAZUMI ET AL) 13 January 1998 (1998-01-13) column 1, line 14; claims 1,5-11; examples 1-3 ---	20, 30, 31
X	WO 01/21706 A (SAGEM ;BERNIER DANIEL (FR); PETRUS RAYMOND (FR); POISSON BERNARD ()) 29 March 2001 (2001-03-29) page 1, line 8; claims 3,10; figure 1 --- -/--	20, 30, 31



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the International search

4 May 2004

Date of mailing of the international search report

11/05/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/046074 A (PIRELLI ; BRANDI GIOVANNI (IT); CASTELLANI LUCA (IT); PAVAN MASSIMI) 5 June 2003 (2003-06-05) page 12, line 1-35; claims 1-32; examples 1-4 ---	20, 30
X	US 6 205 276 B1 (ANELLI PIETRO ET AL) 20 March 2001 (2001-03-20) column 2, line 46,47; claims 1-18; figures 1,2 ---	20, 30
X	DE 40 09 101 A (KABELMETAL ELECTRO GMBH) 26 September 1991 (1991-09-26) page 2, line 10; claims 1-4,6 ---	20, 30
A	WO 02/08331 A (HERBIET RENE ; JODOCY GUIDO (BE); KROMBERG & SCHUBERT (DE); HEINZ P) 31 January 2002 (2002-01-31) page 3, line 1-10; claims 1-4,6,14,15 ---	20-34
X	EP 1 106 648 A (REHAU AG & CO) 13 June 2001 (2001-06-13) page 2, line 23-33, paragraph 9; claims 1-7,10,11; example 1 ---	20, 30
A	EP 0 774 487 A (ALCATEL KABEL AG) 21 May 1997 (1997-05-21) column 6, line 14-16; claims 1-8,17-21; examples 1,4 examples 1-9 X column 6, line 13-15; claims 1-8; example 4 column 2, line 49-57 -----	21-29, 31-34  20, 30

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## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 1-19  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1-19

In Cl.1 and the dependent Claims 2-19 a composition comprising a component a) comprising an olefin polymer and a component c) comprising at least one olefin polymer including at least one functional group. Considering the description and the examples and comparative examples component a encompasses copolymers such as ethylene-vinyl acrylate copolymers, ethylene-ethylacetate copolymer, ethylene-methyl acrylate-acrylic acid terpolymers. Therefore, components a) and c) cannot be distinguished from each other. It appears that the term "a olefin polymer including at least one functional group" should be replaced by the list of components c) specified in present Cl.20.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

# INTERNATIONAL SEARCH REPORT



Information on patent family members



International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6278825	B1	21-08-2001	AU 732202 B2	12-04-2001
			AU 8859598 A	10-02-1999
			BR 9810913 A	08-08-2000
			CA 2296361 A1	28-01-1999
			DE 69812632 D1	30-04-2003
			DE 69812632 T2	18-12-2003
			WO 9904300 A1	28-01-1999
			EP 0995140 A1	26-04-2000
			ES 2196597 T3	16-12-2003
			JP 2001510904 T	07-08-2001
			NZ 502082 A	27-07-2001
US 5707732	A	13-01-1998	JP 9040820 A	10-02-1997
			JP 9059441 A	04-03-1997
			JP 2960873 B2	12-10-1999
			JP 9071690 A	18-03-1997
WO 0121706	A	29-03-2001	FR 2798665 A1	23-03-2001
			AU 7429900 A	24-04-2001
			BR 0014092 A	20-08-2002
			CA 2384842 A1	29-03-2001
			CN 1384856 T	11-12-2002
			EP 1216273 A1	26-06-2002
			WO 0121706 A1	29-03-2001
			HU 0204036 A2	28-05-2003
			JP 2003510394 T	18-03-2003
			SK 5202002 A3	10-09-2002
WO 03046074	A	05-06-2003	WO 03046074 A1	05-06-2003
			BR 0116824 A	27-01-2004
US 6205276	B1	20-03-2001	IT MI970263 A1	10-08-1998
			AU 736183 B2	26-07-2001
			AU 5294398 A	13-08-1998
			BR 9800584 A	29-06-1999
			CA 2229319 A1	10-08-1998
			DE 69807762 D1	17-10-2002
			DE 69807762 T2	30-04-2003
			EP 0858082 A1	12-08-1998
			ES 2185068 T3	16-04-2003
			JP 10253859 A	25-09-1998
			NZ 329683 A	28-07-1998
DE 4009101	A	26-09-1991	DE 4009101 A1	26-09-1991
WO 0208331	A	31-01-2002	DE 10035647 A1	31-01-2002
			AU 1042102 A	05-02-2002
			WO 0208331 A2	31-01-2002
			EP 1301567 A2	16-04-2003
			US 2003181563 A1	25-09-2003
EP 1106648	A	13-06-2001	DE 19959110 A1	21-06-2001
			EP 1106648 A1	13-06-2001
EP 0774487	A	21-05-1997	DE 19542157 A1	15-05-1997
			CN 1152471 A	25-06-1997
			EP 0774487 A1	21-05-1997
			EP 0774488 A1	21-05-1997



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Form PCT/ISA/210 (patent family annex) (January 2004)